

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

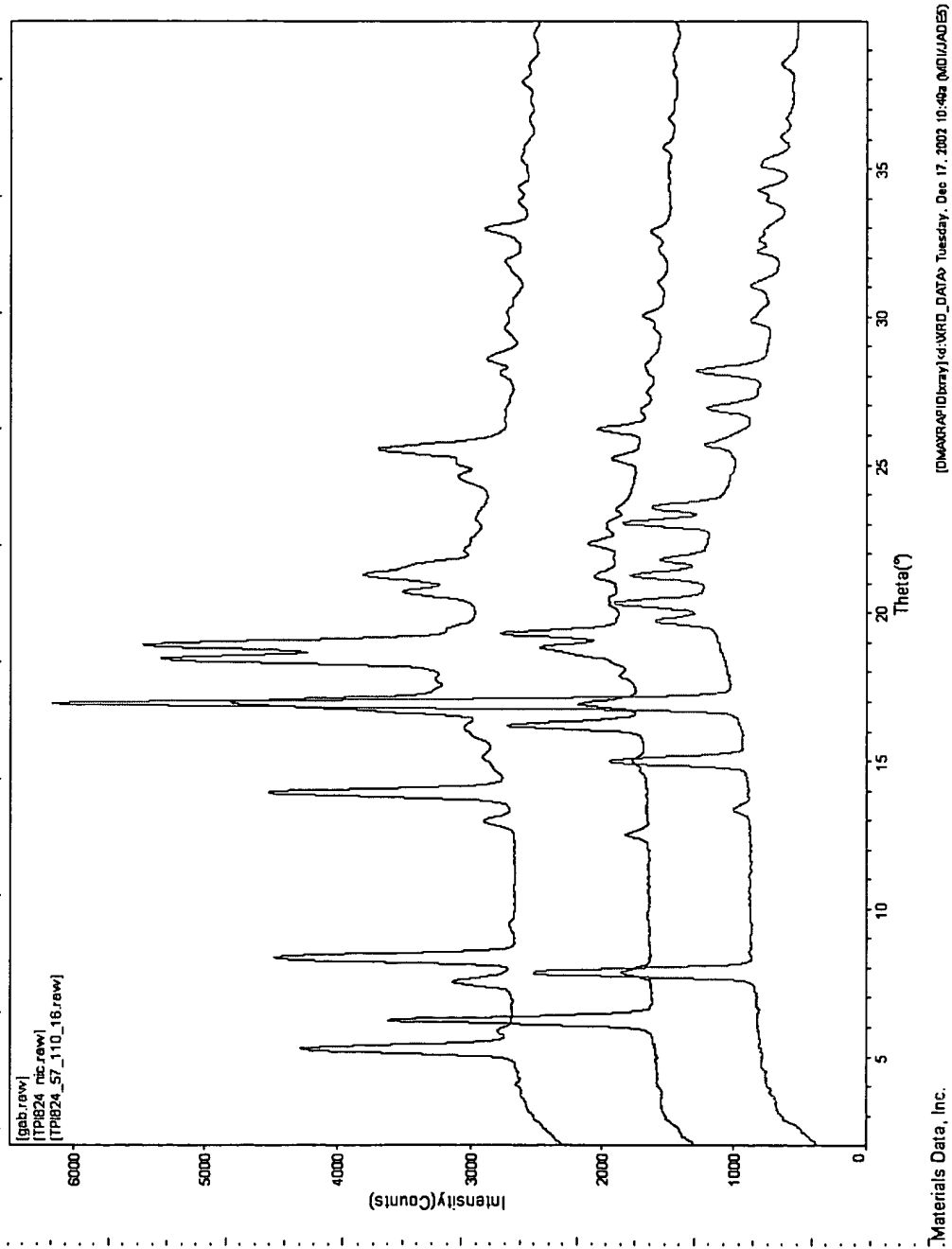


Figure 1

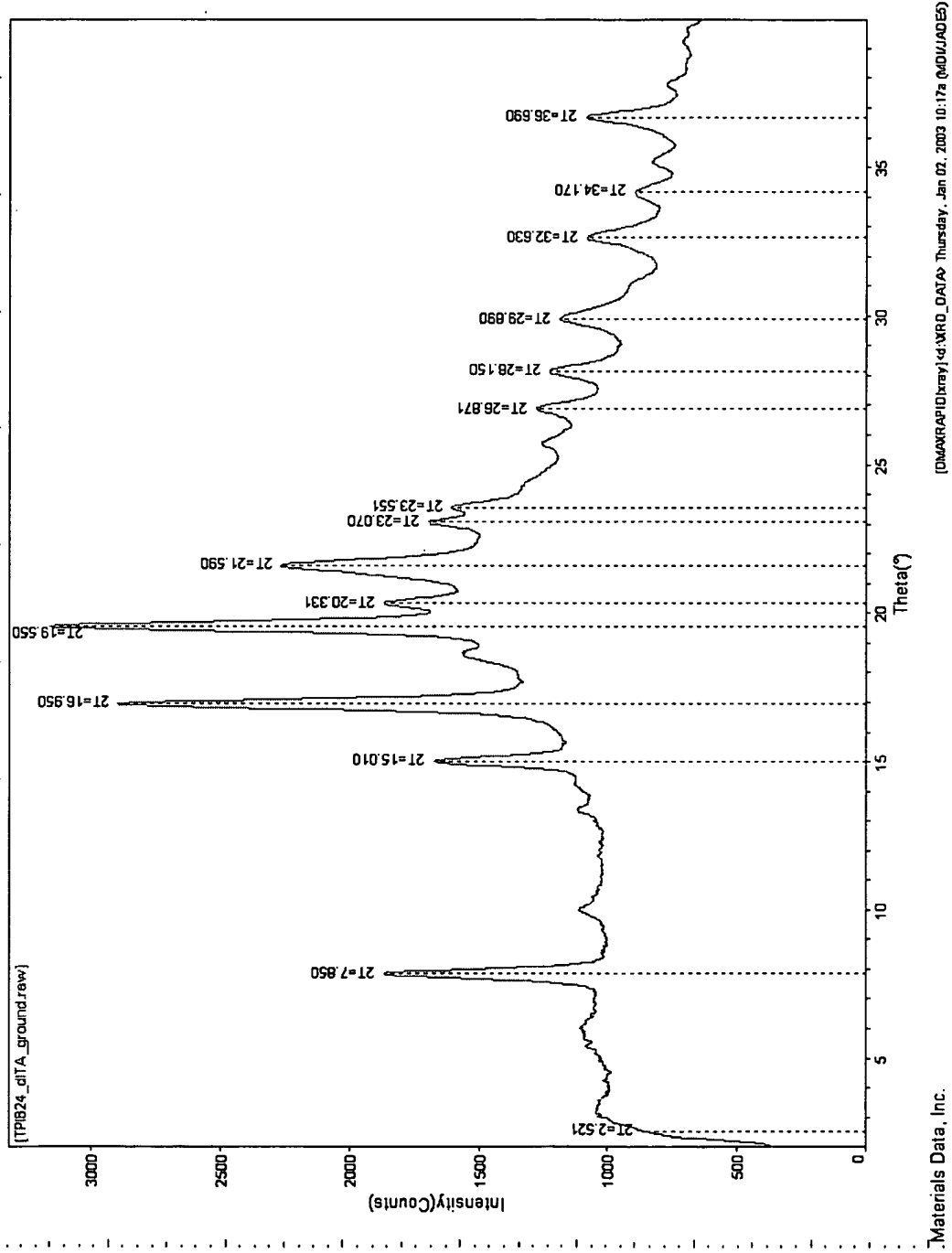


Figure 2

# DSC

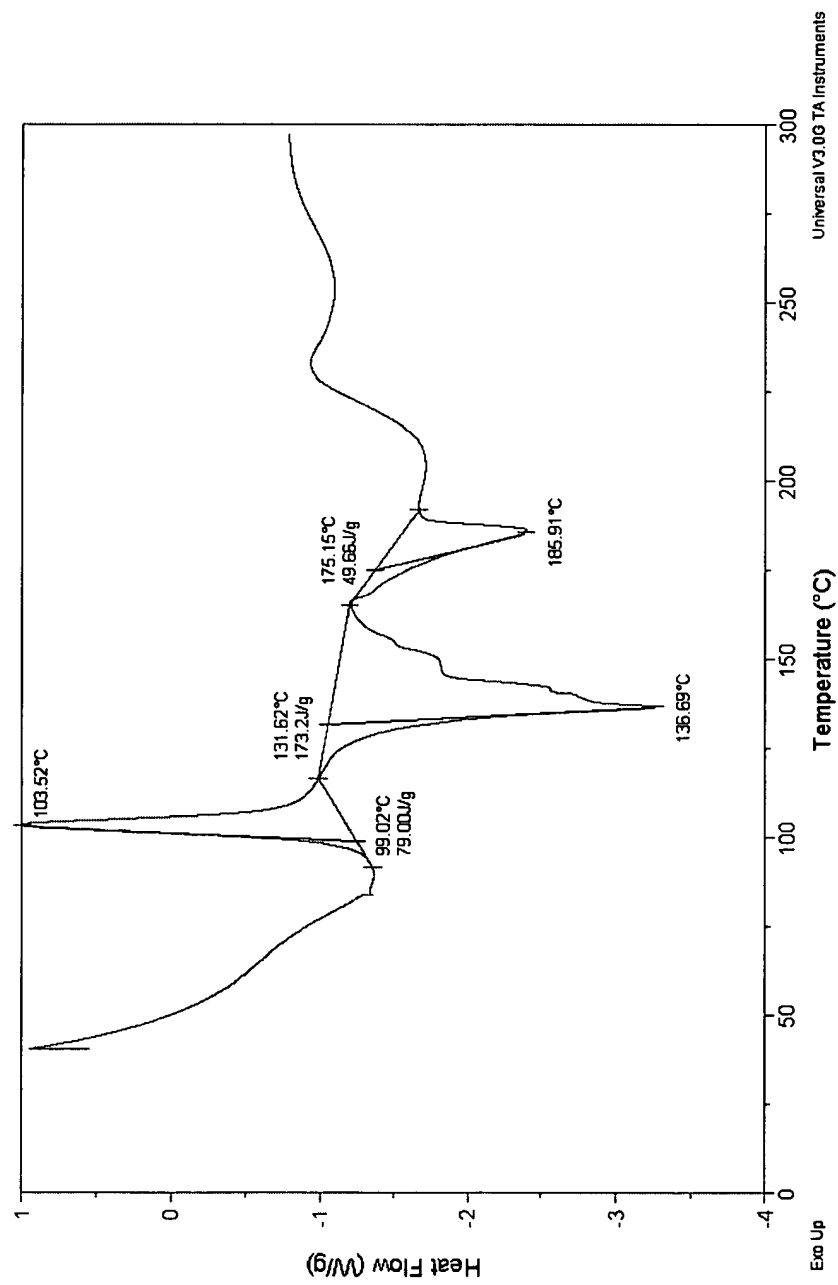
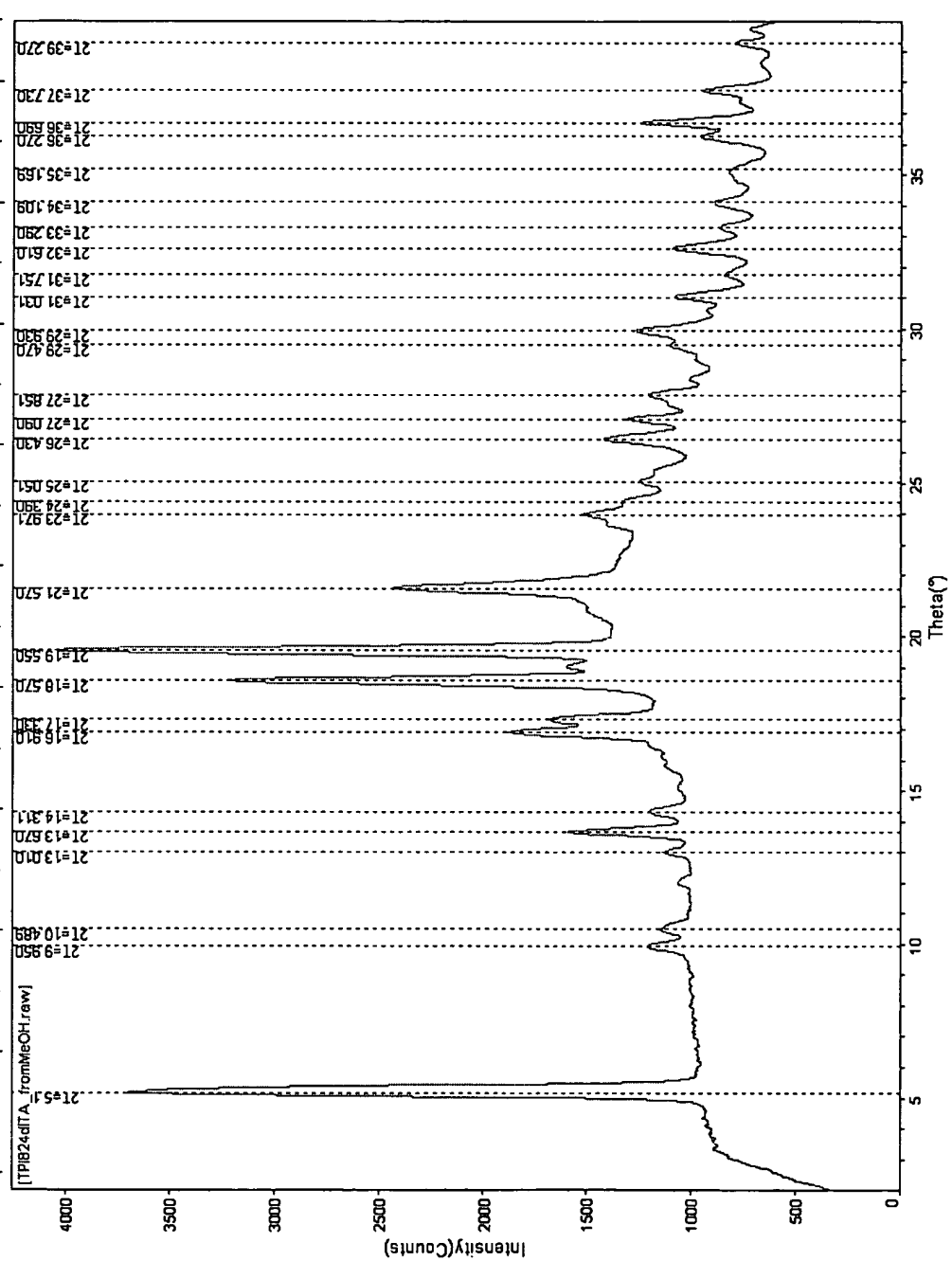


Figure 3



[D:\MAXRAP\10\kay\14\XRD\_DATA\ Thursday, Jan 02, 2003 02:30p Q4D\JADE5]

Materials Data, Inc.

**Figure 4**

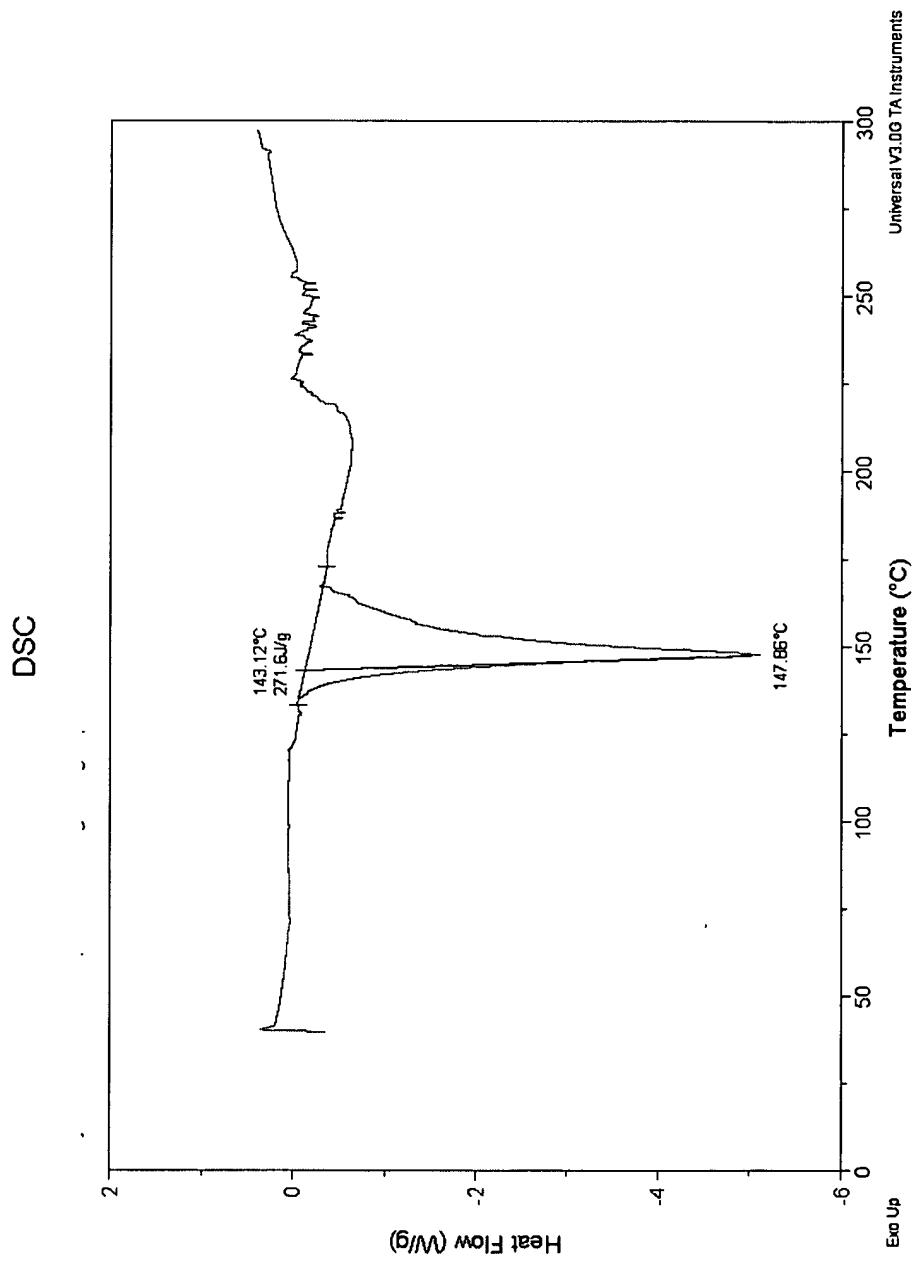


Figure 5

# TGA

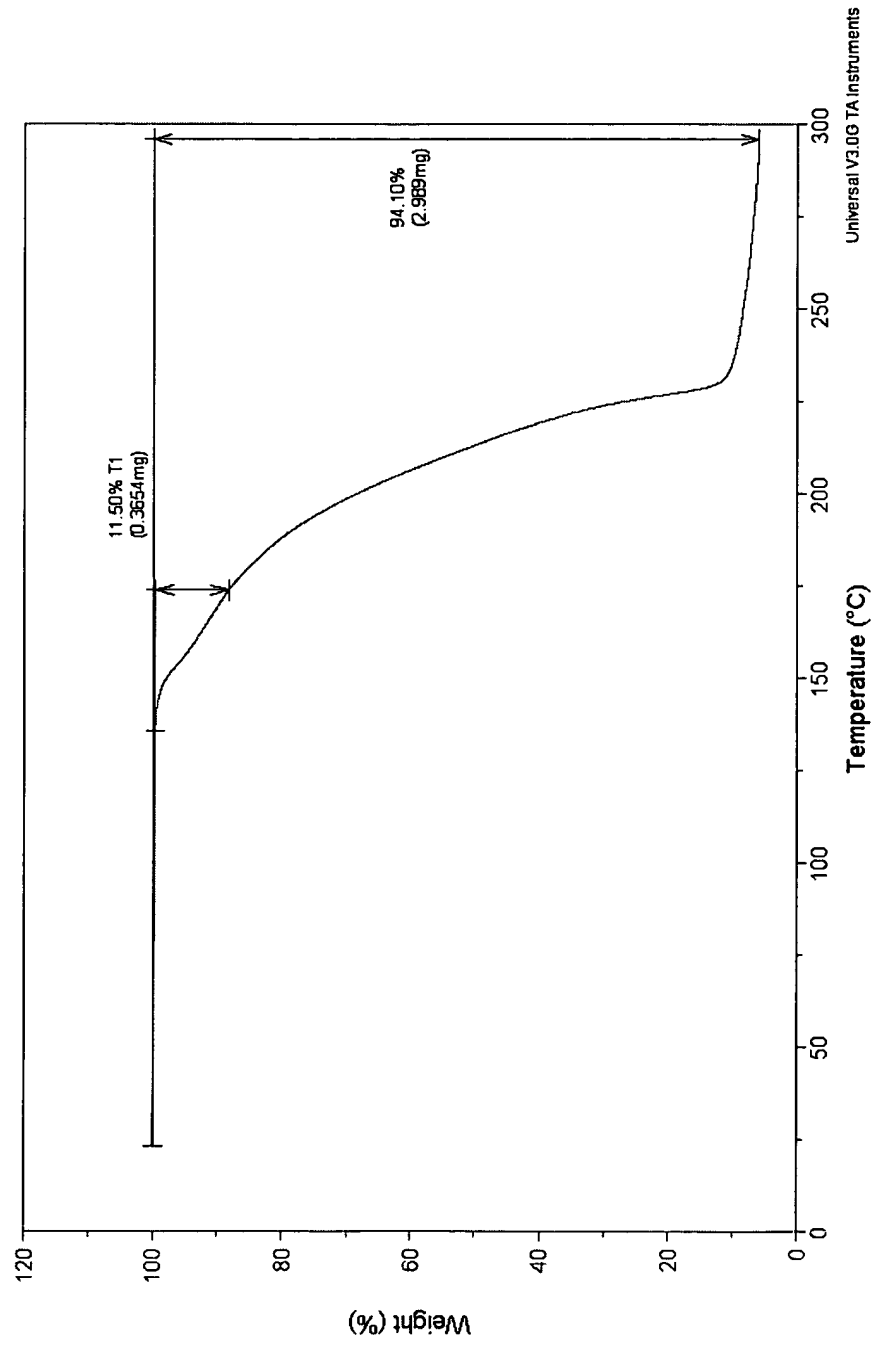


Figure 6

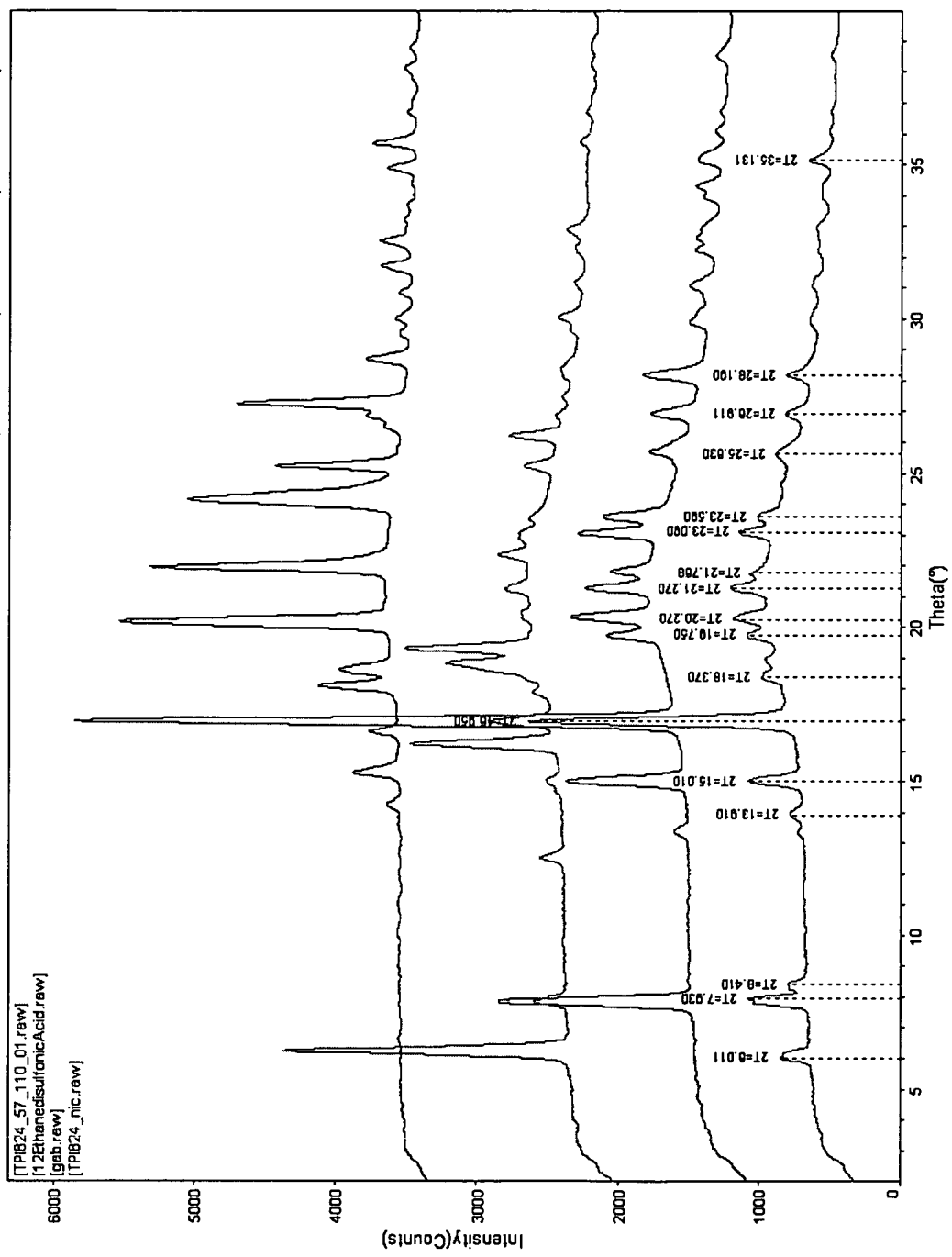


Figure 7



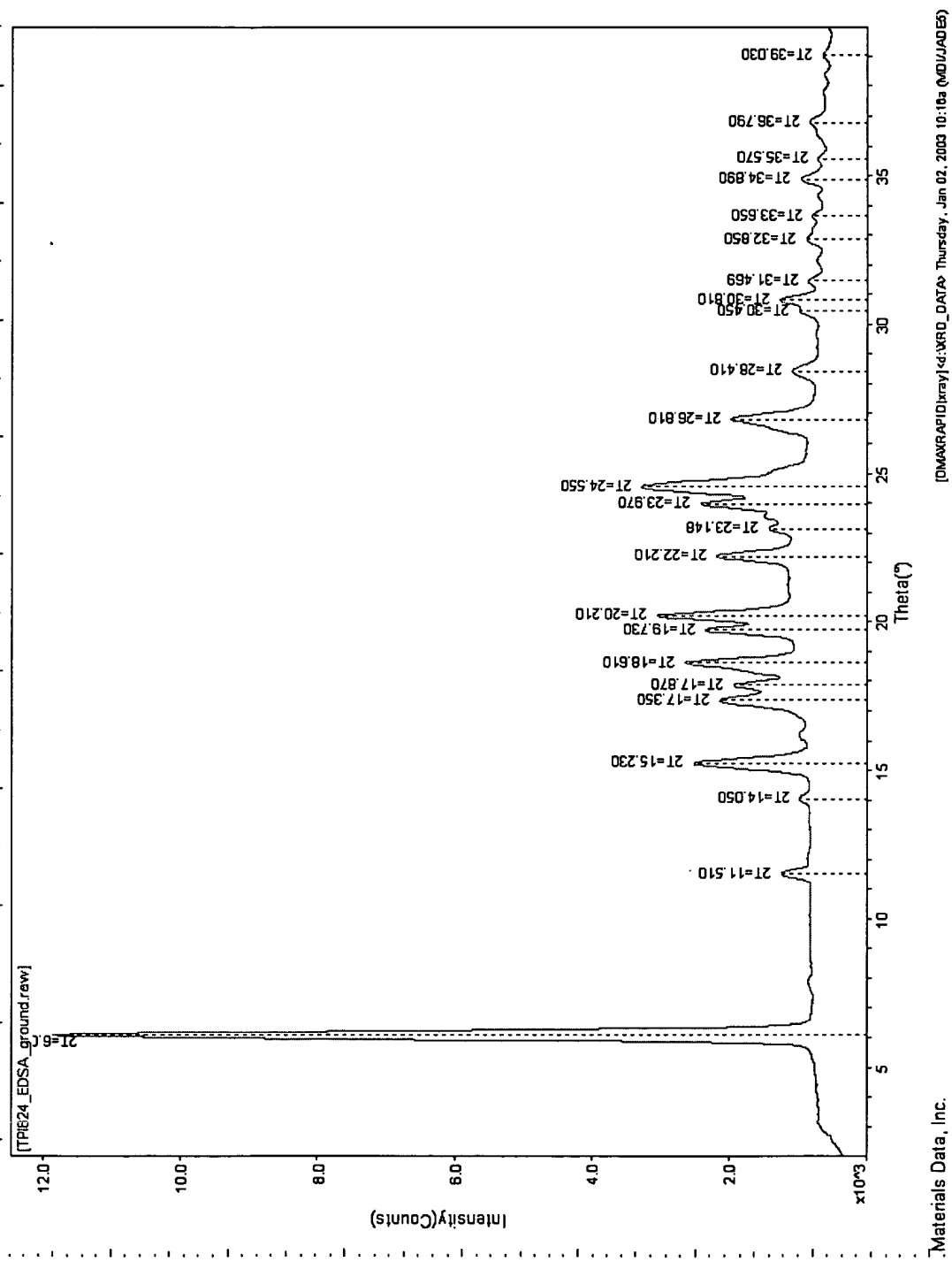


Figure 8

DSC

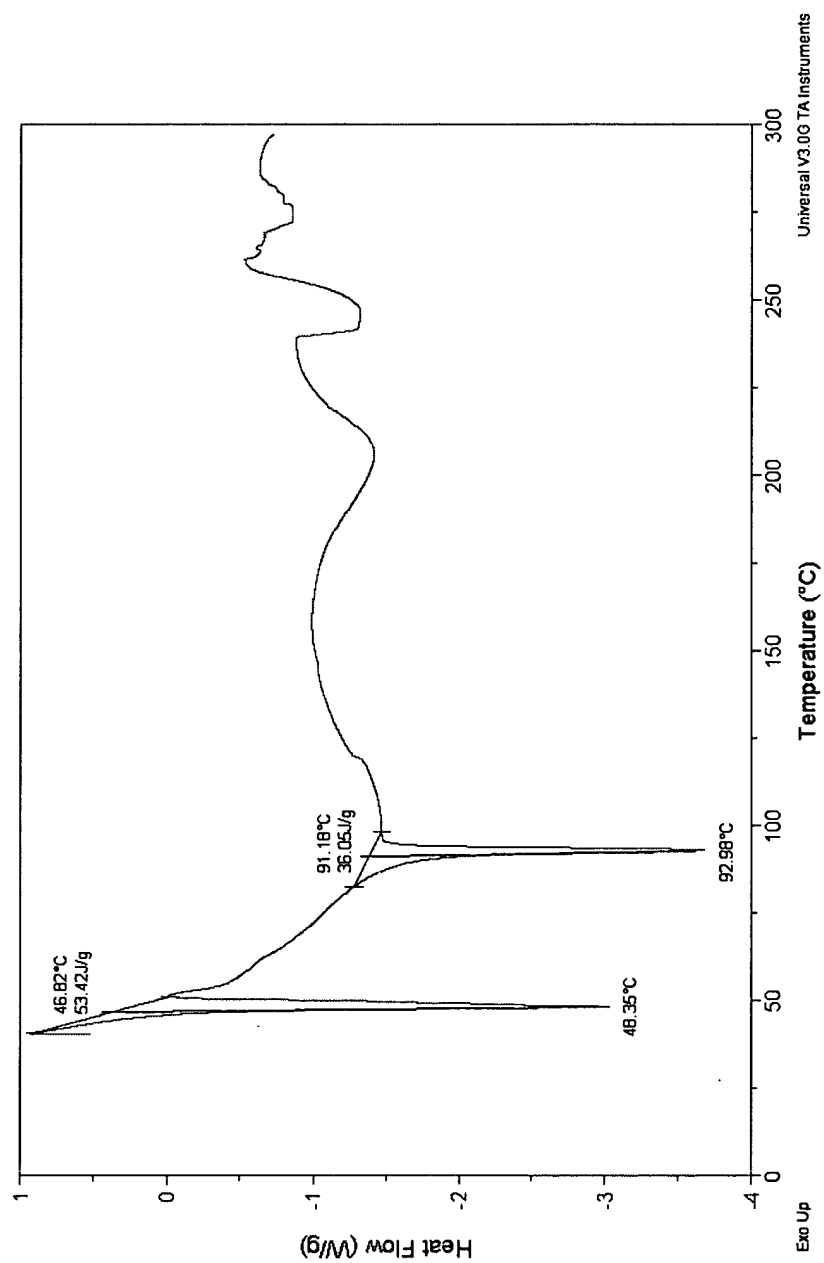
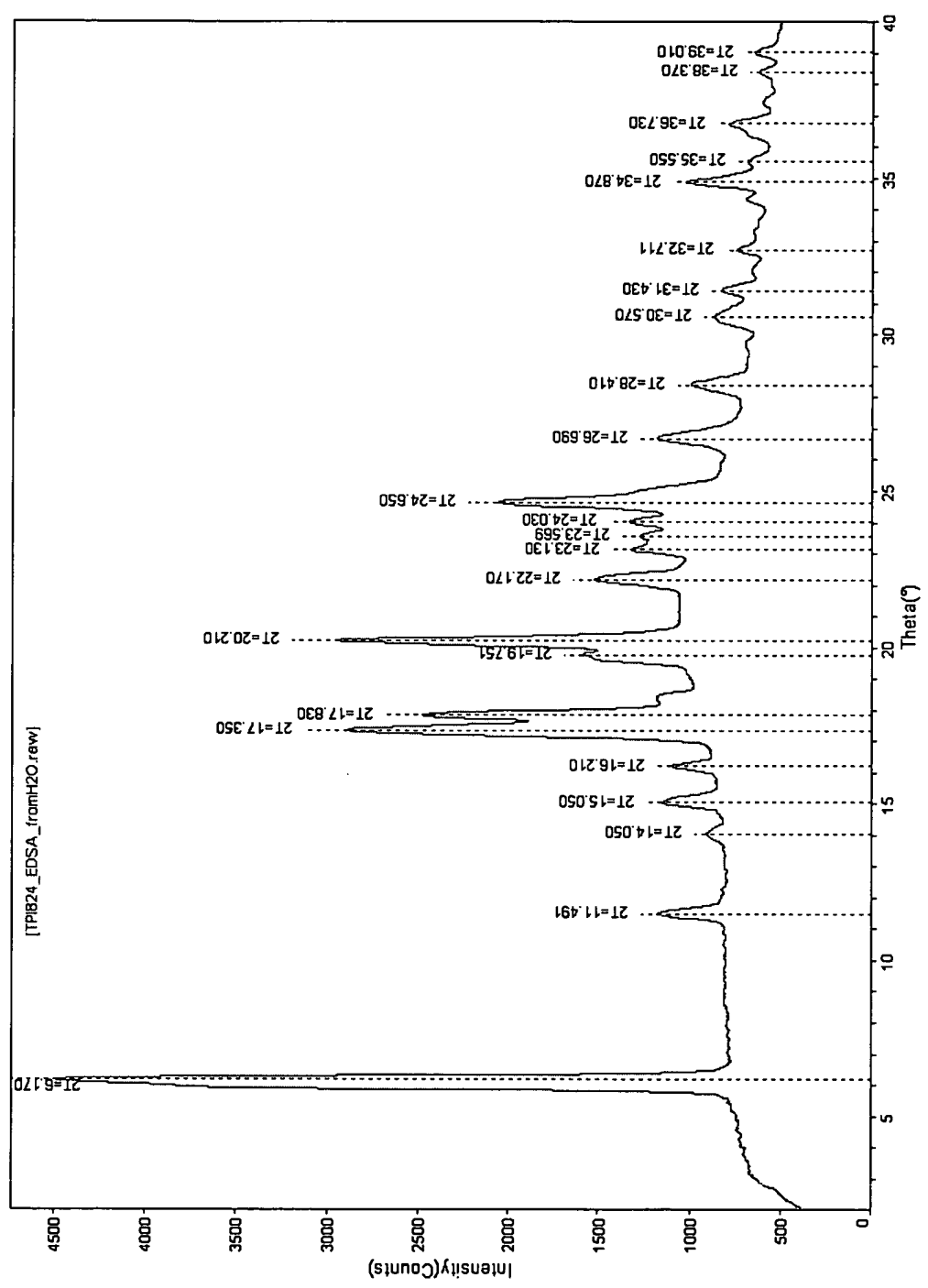


Figure 9



[TP1824\_EDSA\_fromH2O.raw] [D:\MAXRAPID\ray\1\cd\NRD\_DATA\ Tuesday, Jan 07, 2003 04:51p (MDI/JADE5)]

Figure 10

Materials Data, Inc.

DSC

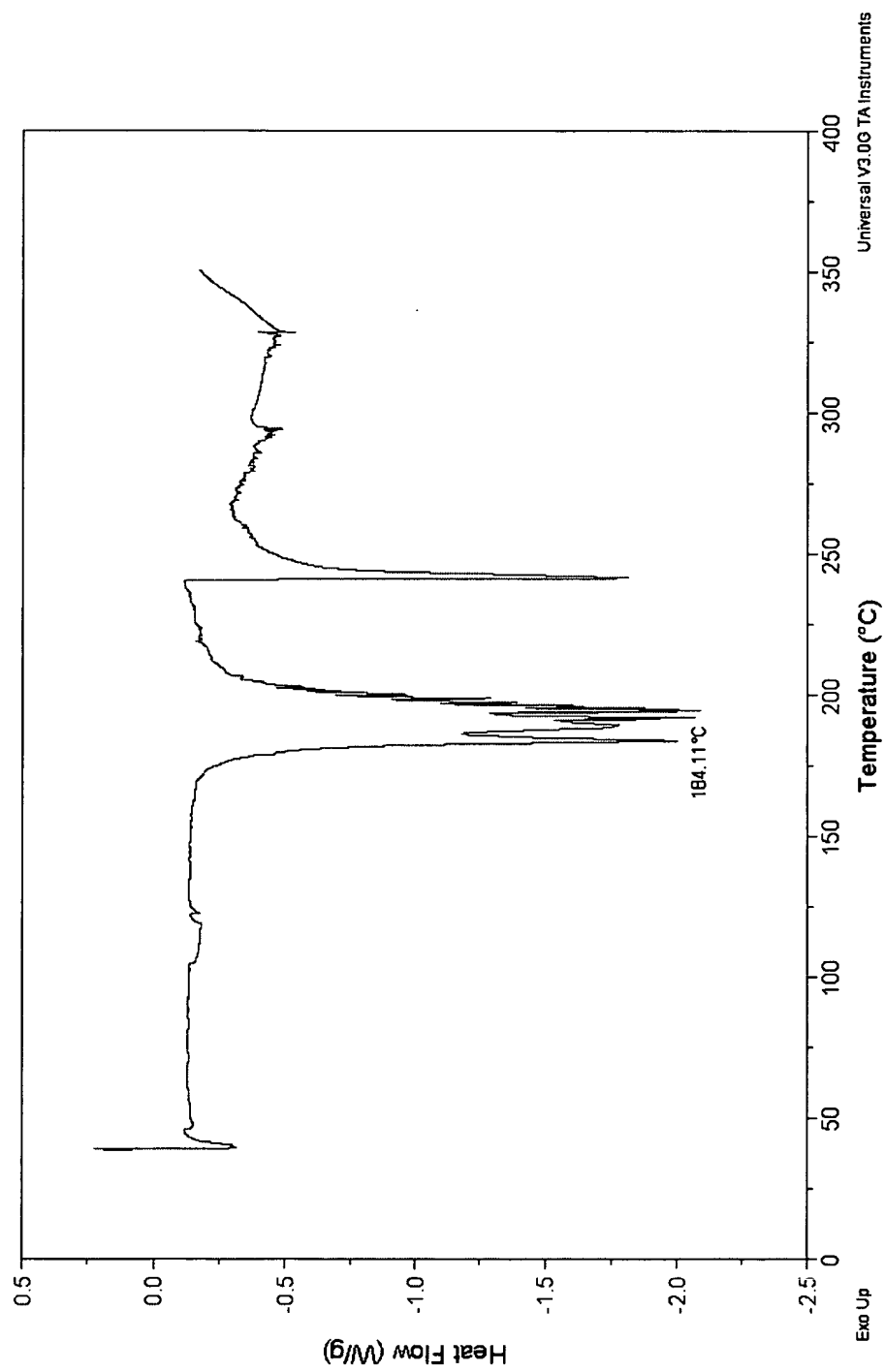


Figure 11

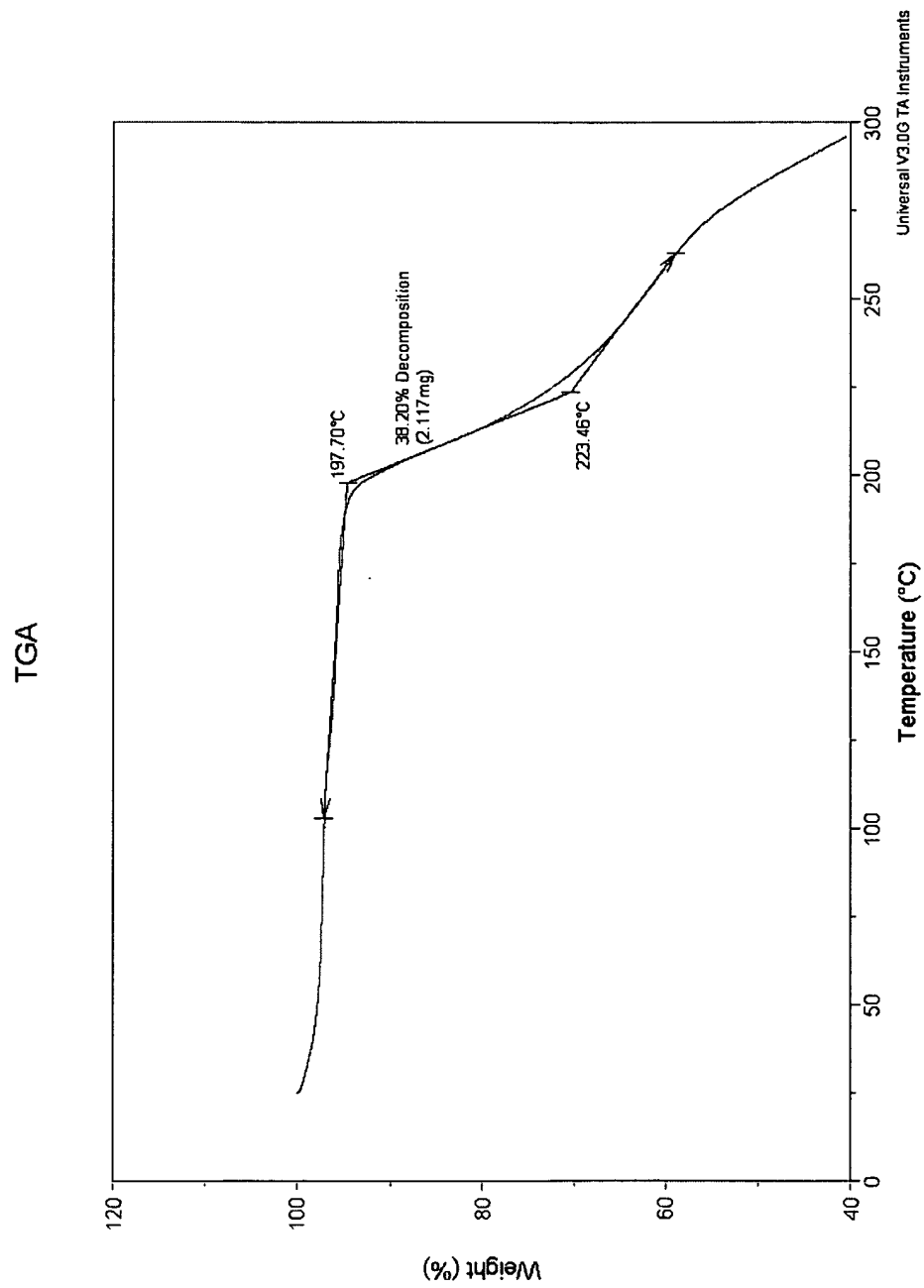
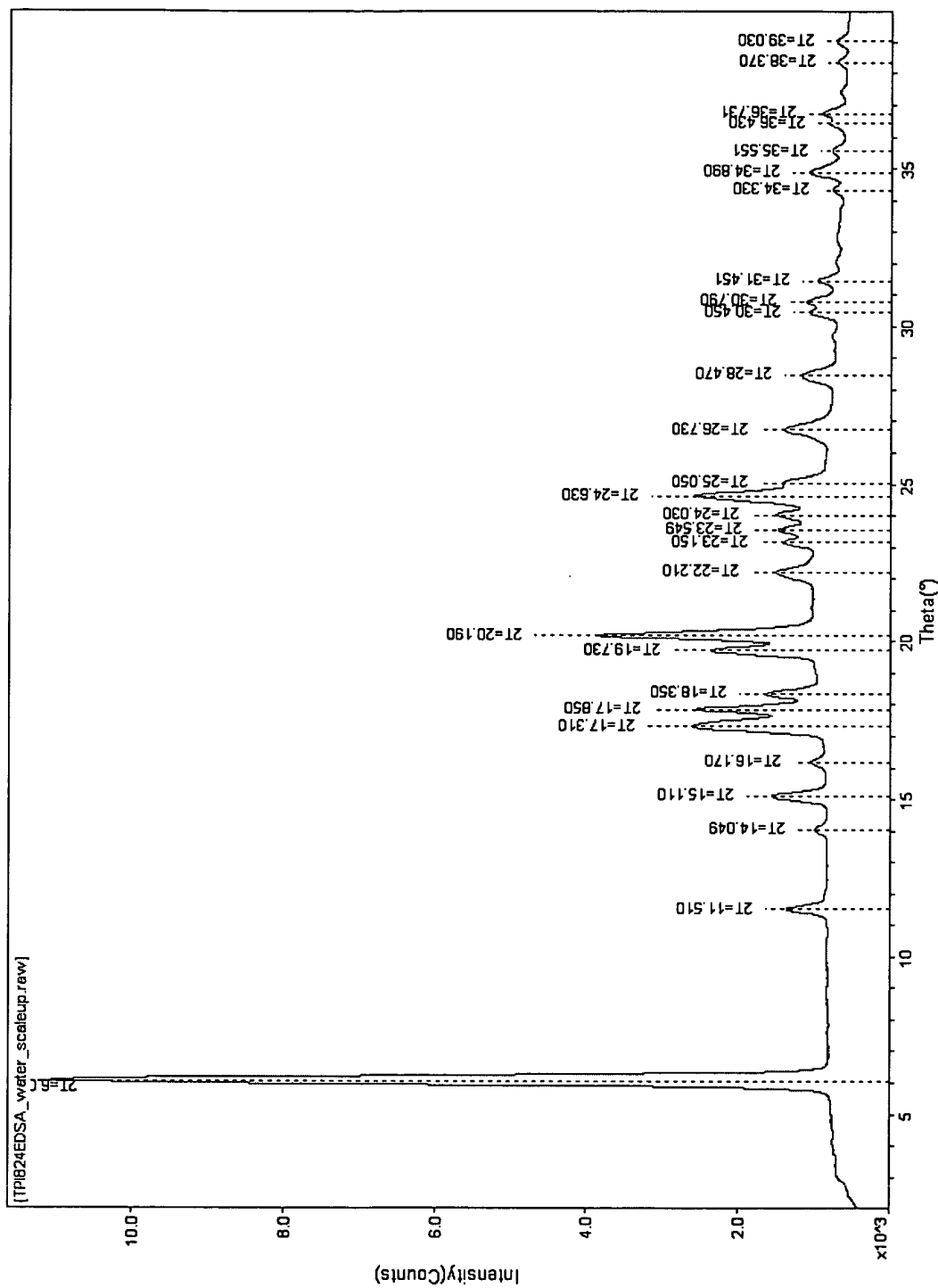


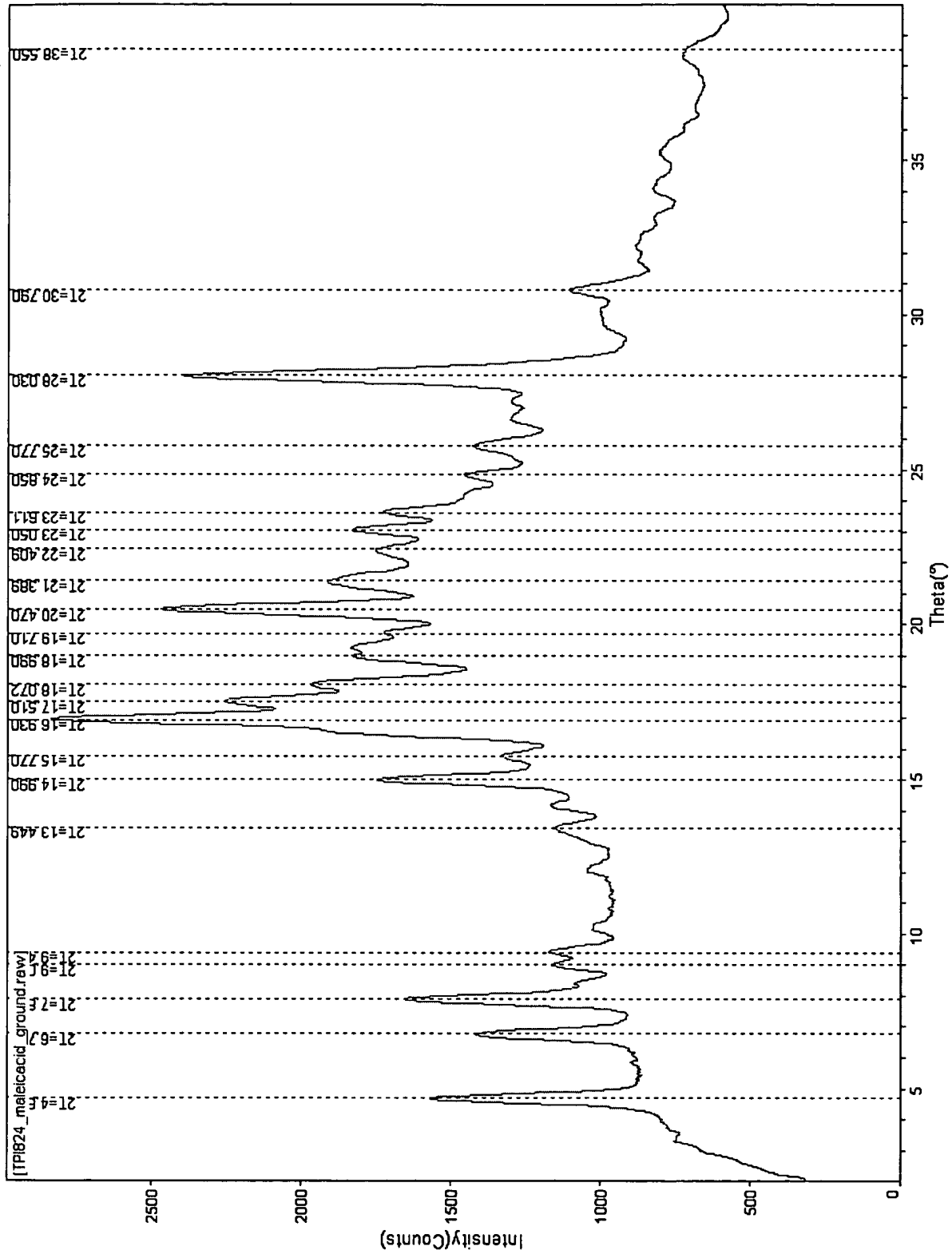
Figure 12



[D:\MAXRAP\10\kay]\d:\NRD\_DATA\ Friday, Jan 10, 2003 04:12p QMD1\JA055)

Materials Data, Inc.

Figure 13



Materials Data, Inc.

[D:\MATERIALS\DATA\DATA\Thursday, Jan 02, 2003 02:44p (M01\JADE5)]

Figure 14

DSC

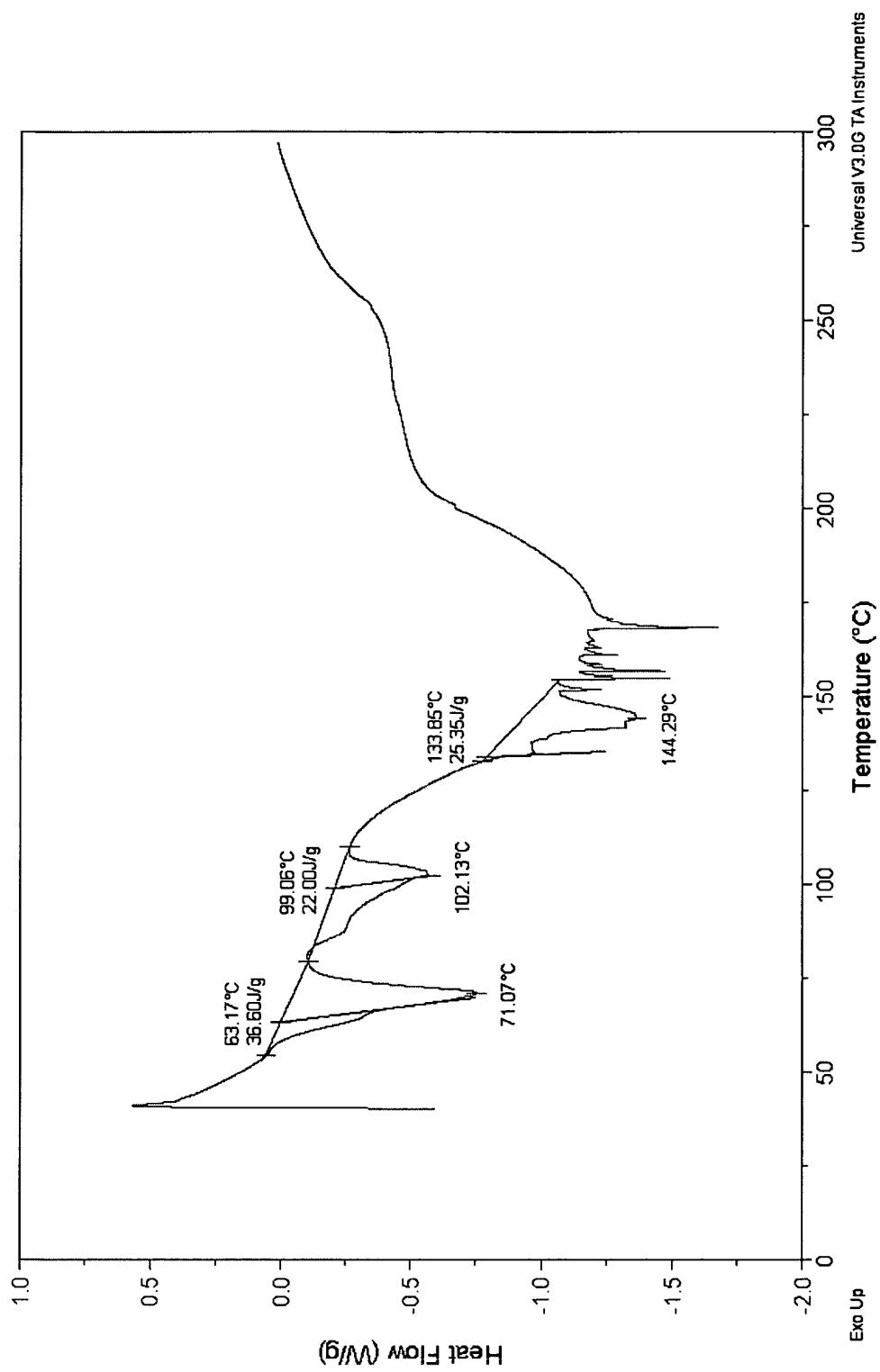


Figure 15



# DSC

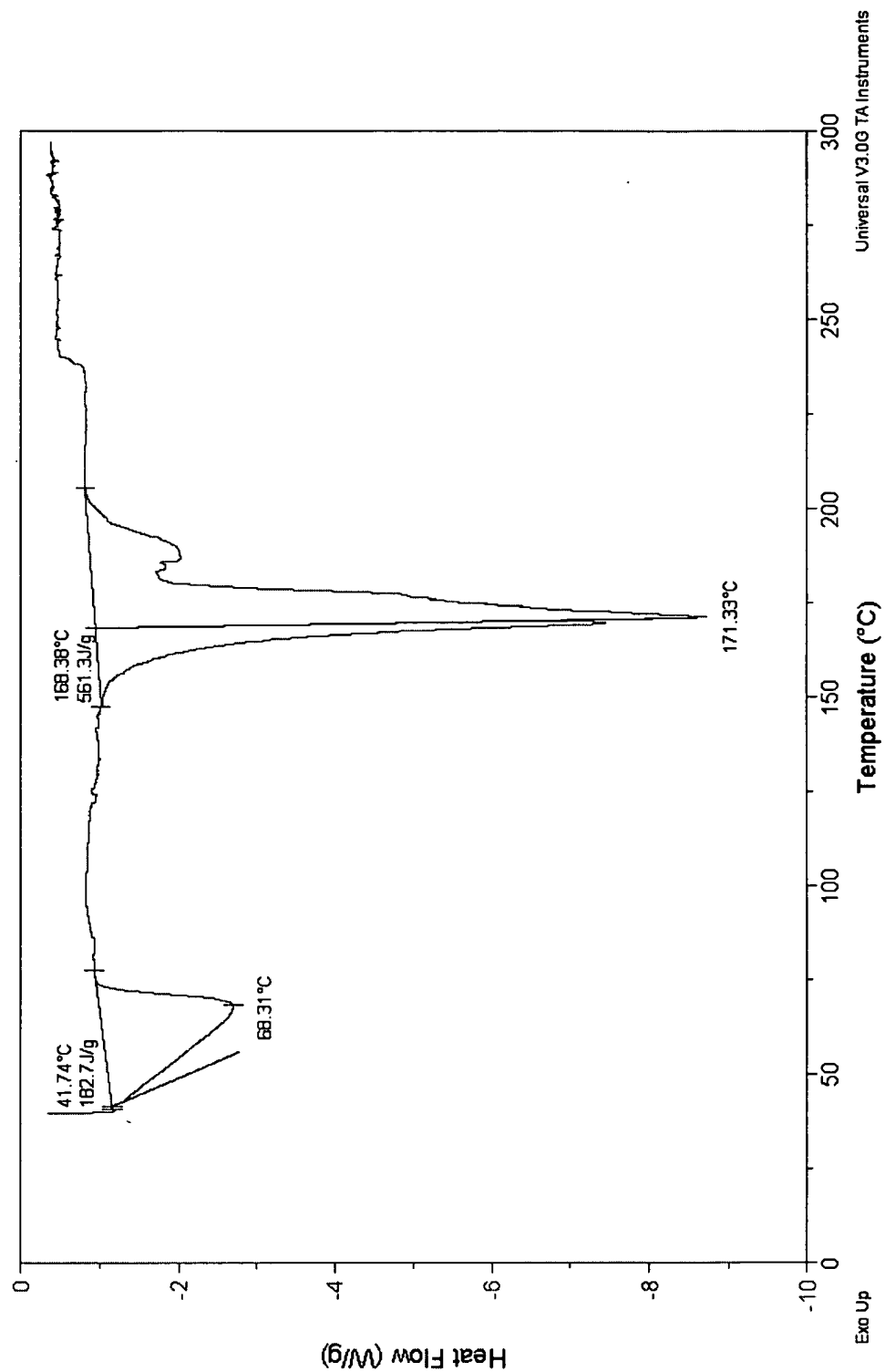


Figure 16

# TGA

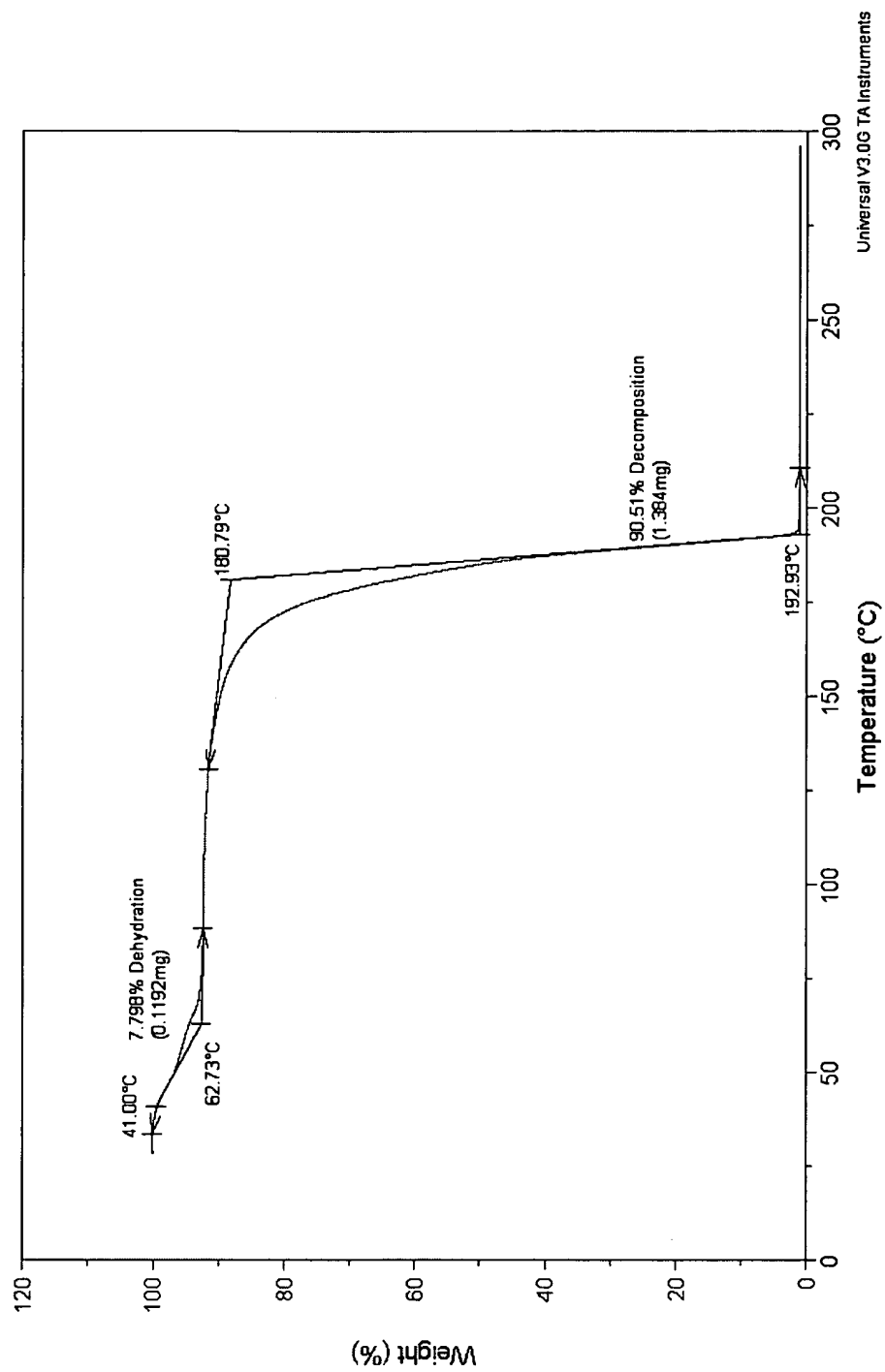


Figure 17

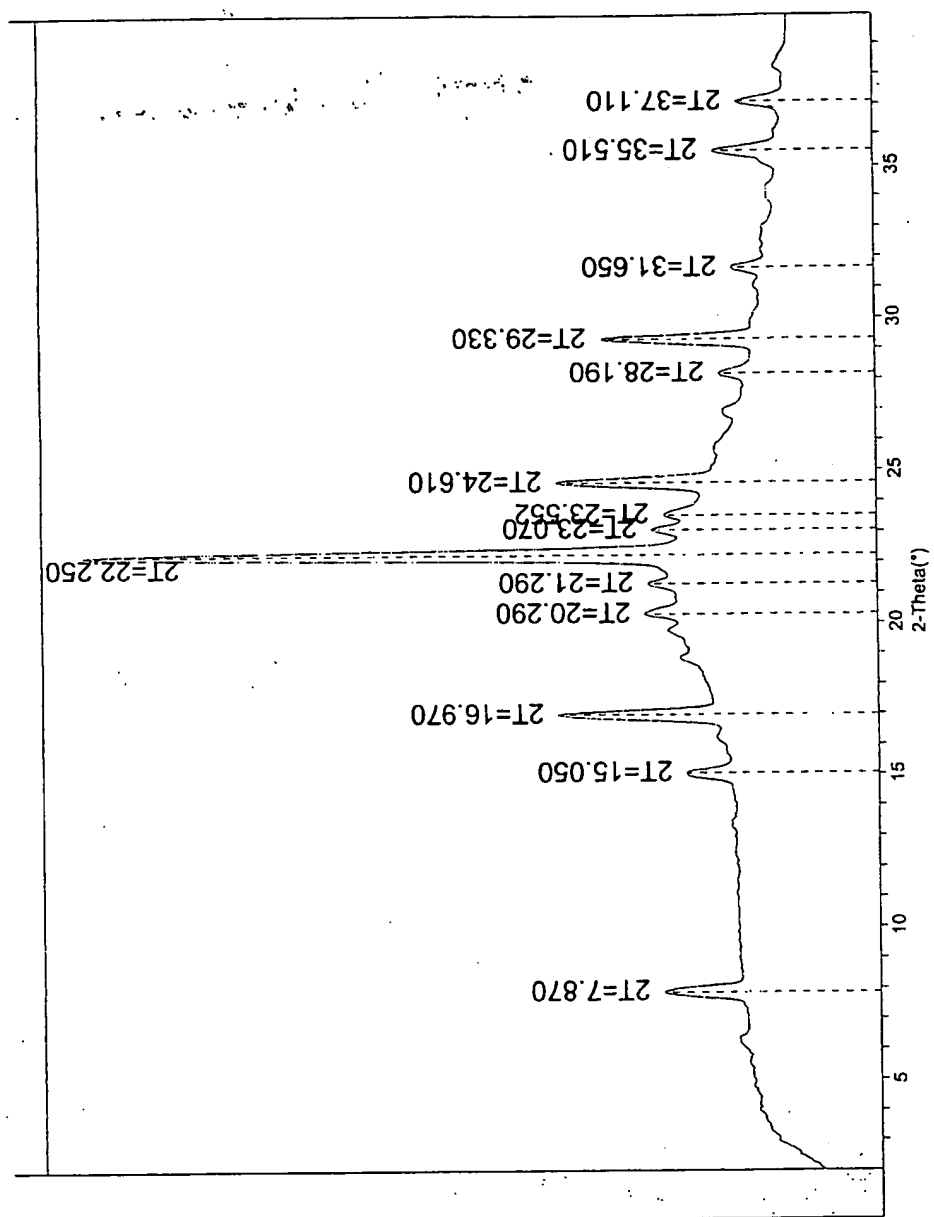


Figure 18